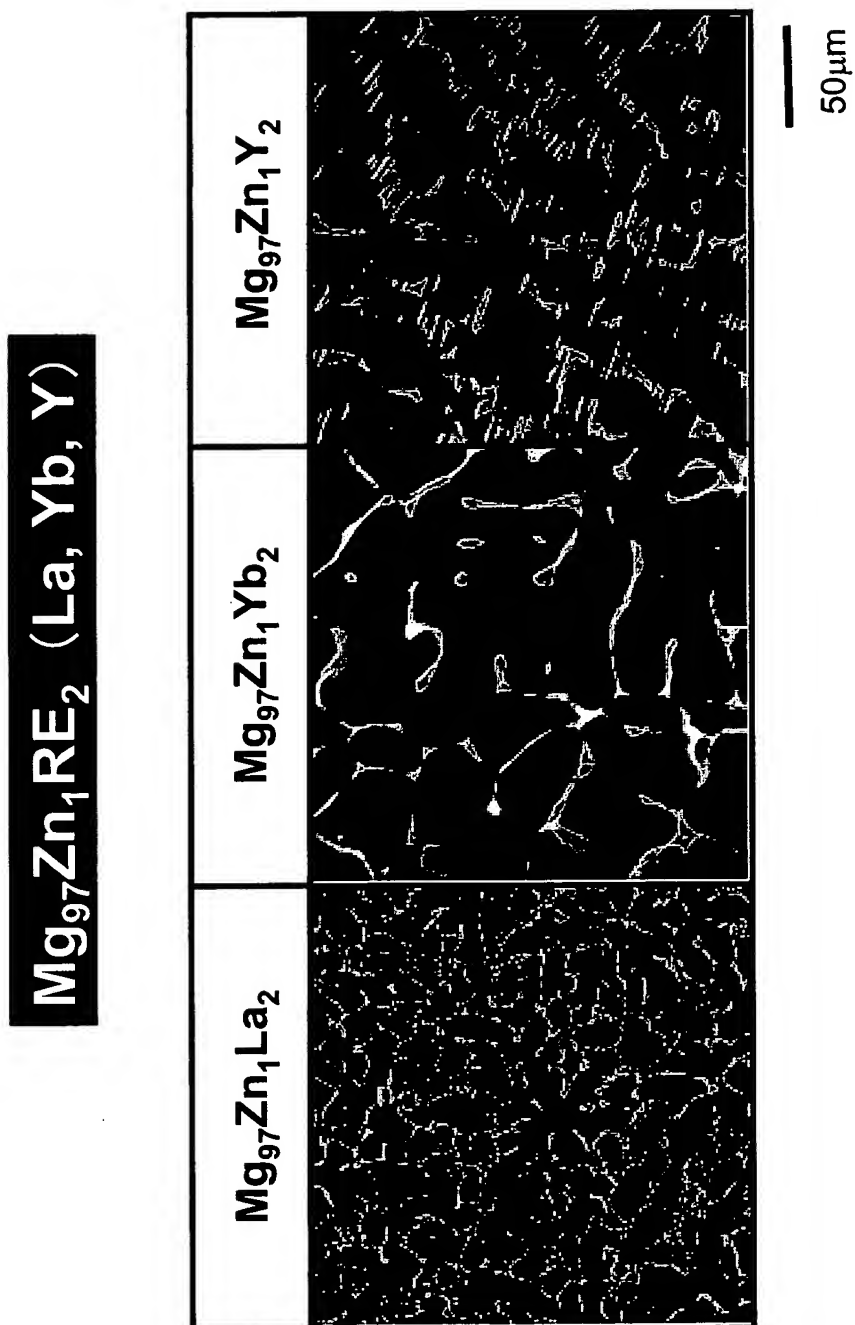
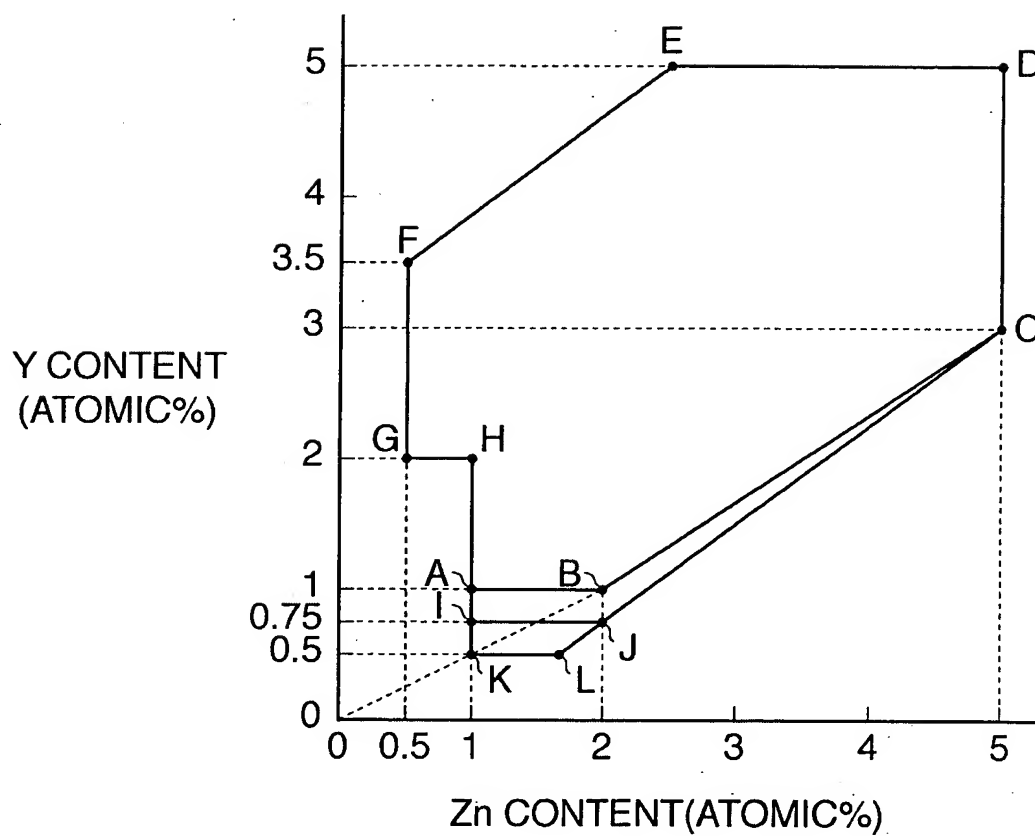


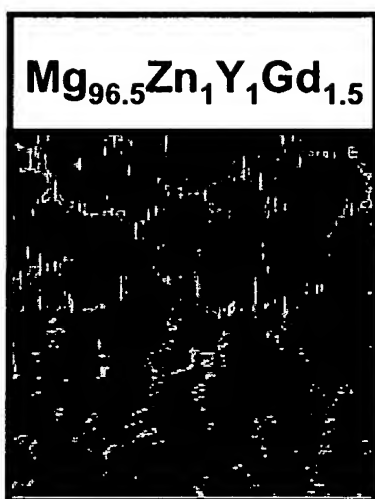
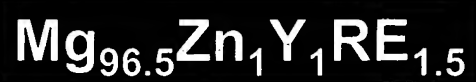
1/13

*FIG. 1*

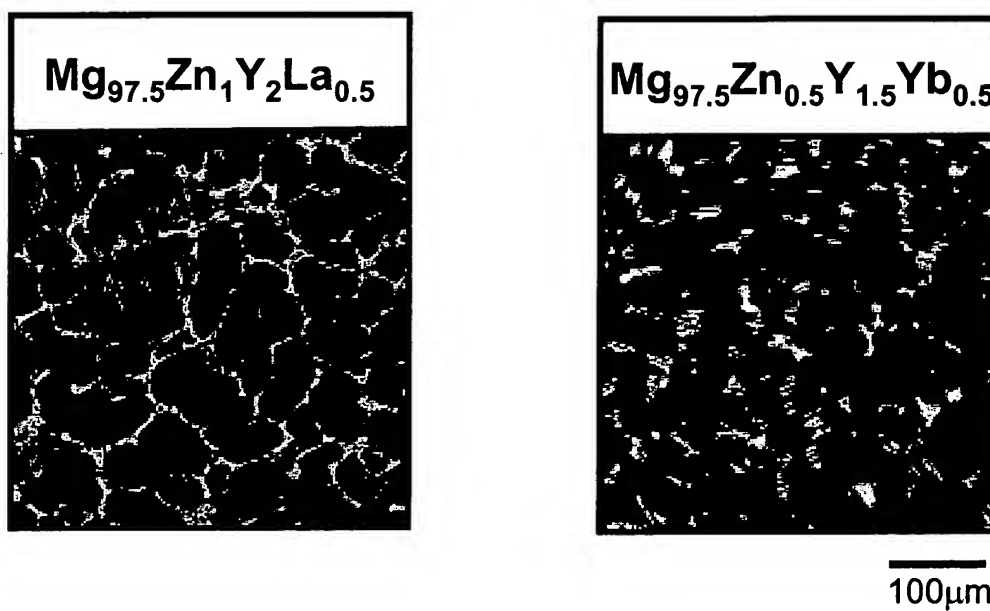
2/13

**FIG. 2**

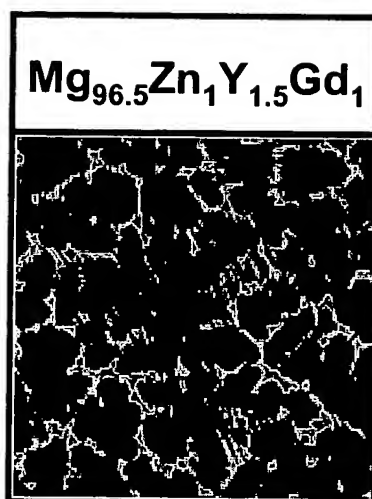
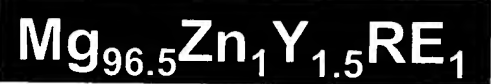
3/13

***FIG. 3***

4/13

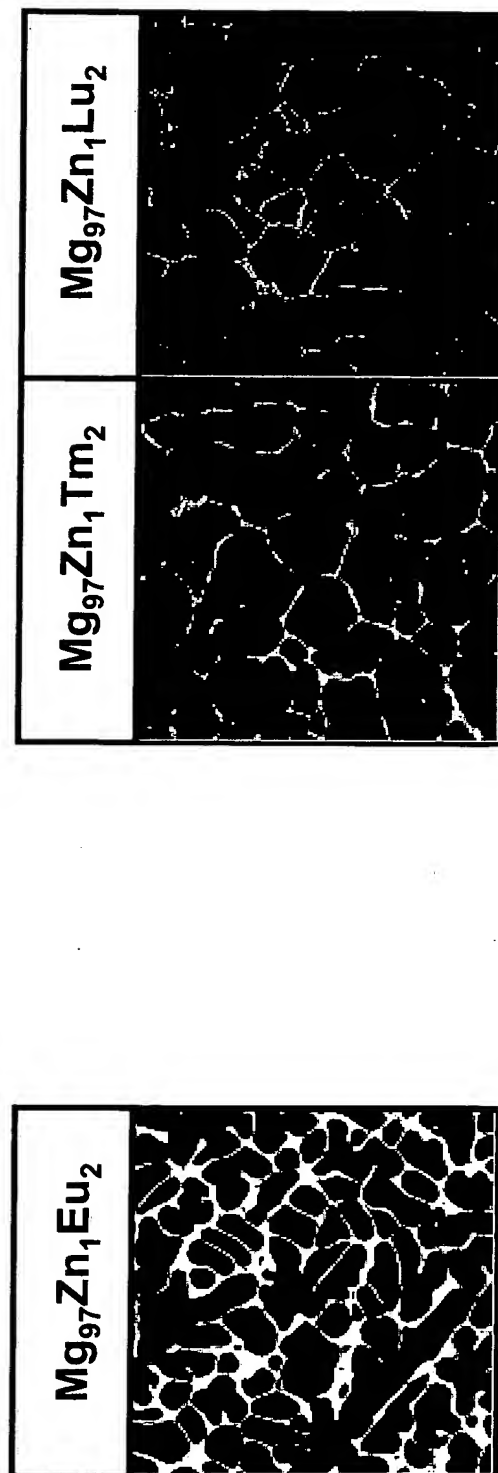
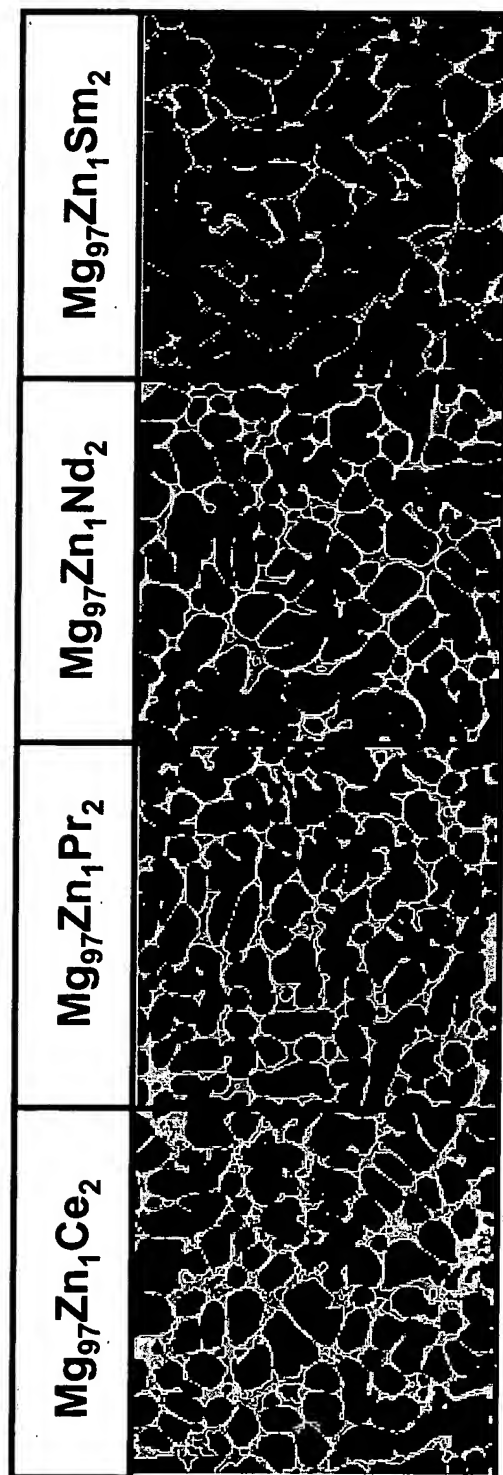
*FIG. 4***Mg-Zn-Y-RE(La, Yb)**

5/13

*FIG. 5*

6/13

FIG. 6

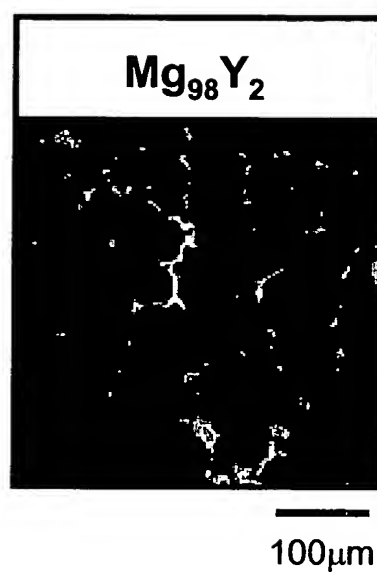
**Mg<sub>97</sub>Zn<sub>1</sub>RE<sub>2</sub> (NO APPEARANCE OF LPSO)**

100μm

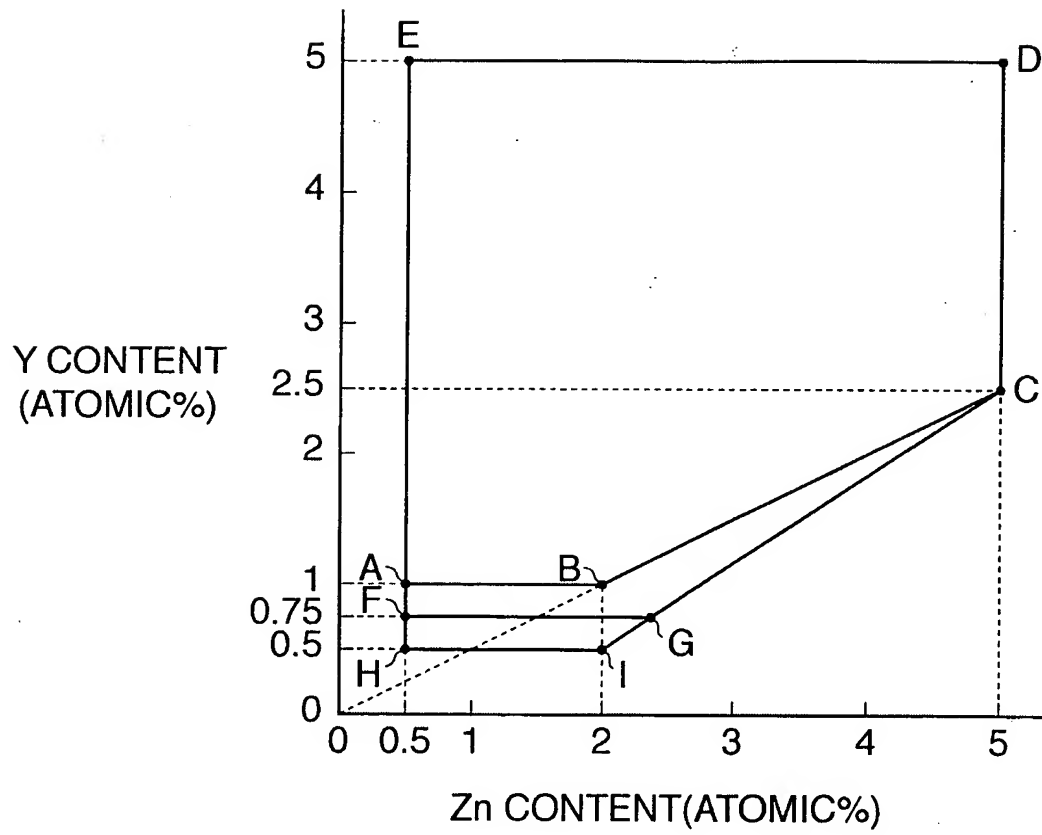
7/13

***FIG. 7***

REFERENCE  
(Mg-Y binary alloy)

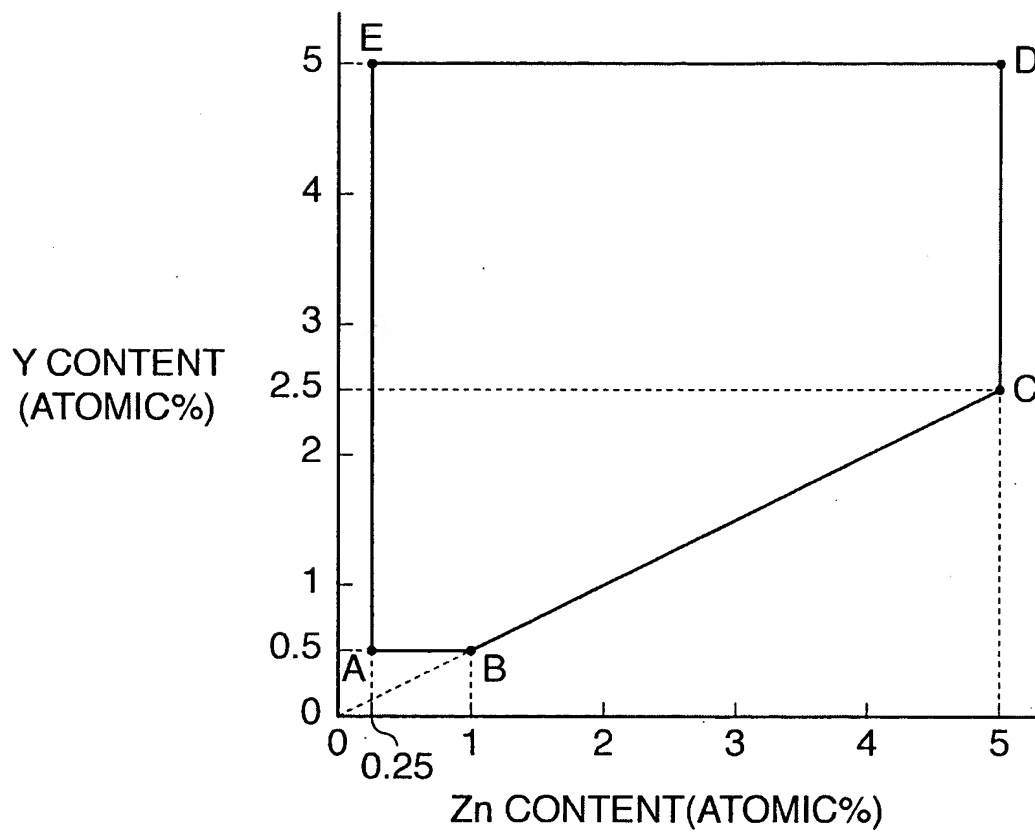


8/13

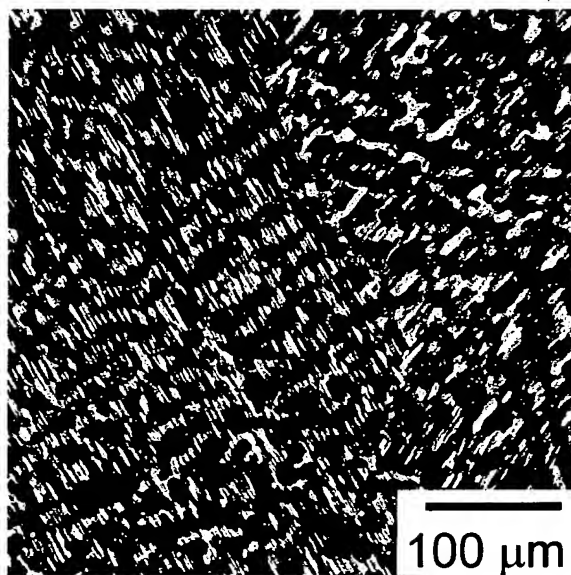
**FIG. 8**



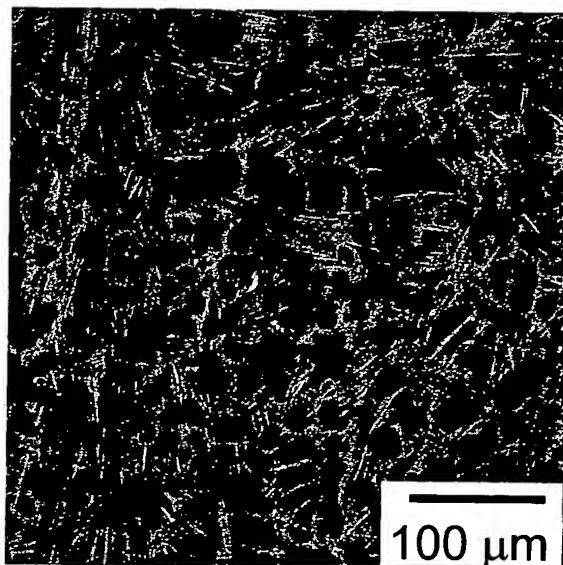
9/13

**FIG. 9**

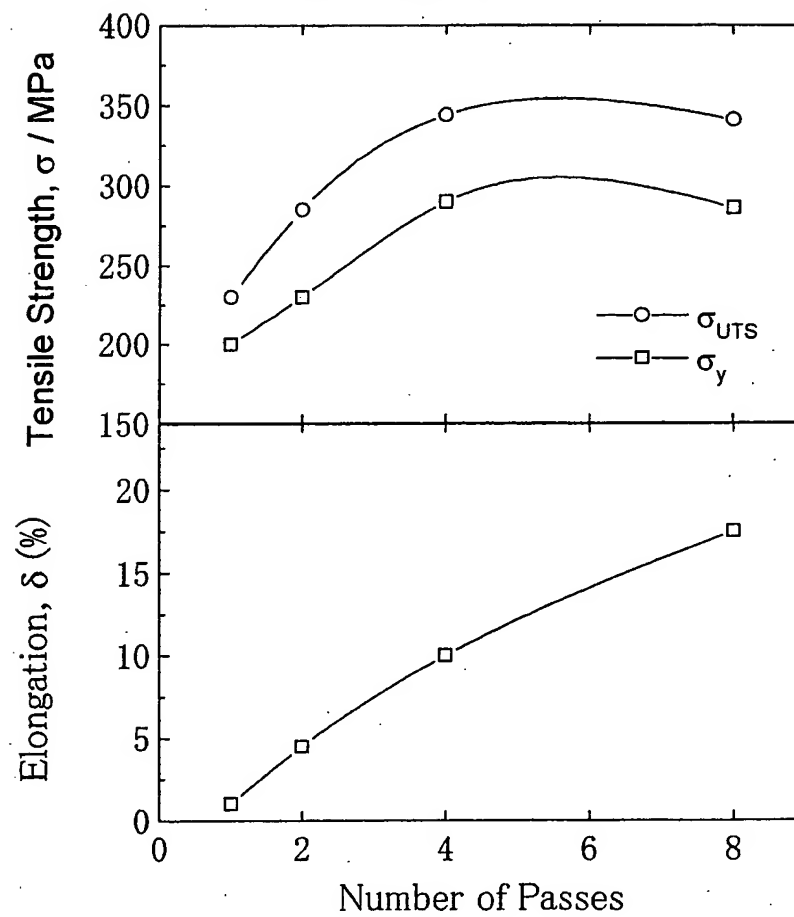
10/13

*FIG. 10***Mg<sub>96</sub>Zn<sub>1</sub>Y<sub>3</sub> as-cast**

11/13

*FIG. 11***Mg<sub>93.5</sub>Zn<sub>3</sub>Y<sub>3.5</sub> as-cast**

12/13

**FIG. 12****ECAE at 648 K**

13/13

**FIG. 13**